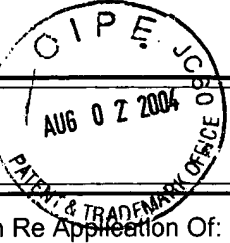


AF/ 2874

IFW



TRANSMITTAL LETTER
(General - Patent Pending)

Docket No.
02110050AA

In Re Application Of: **K. Fukuchi**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/991,689	November 26, 2001	E. Wong	30743	2874	3933

Title: **OPTICAL WAVELENGTH MULTIPLEXING TECHNIQUE**

COMMISSIONER FOR PATENTS:

Transmitted herewith is:

SUPPLEMENTAL RESPONSE

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-2041** as described below.
 - ☐ Charge the amount of _____
 - ☒ Credit any overpayment.
 - ☒ Charge any additional fee required.

Signature

Dated: **August 2, 2004**

Michael E. Whitham
Reg no. 32,635
Whitham, Curtis & Christofferson, P.C.
11491 Sunset Hills Road, Suite 340
Reston, Virginia 20190
703-787-9400

I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

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cc:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Kiyoshi Fukuchi

Confirmation No. 3933

Serial No. 09/991,689

Group Art Unit 2874

Filed November 26, 2001

Examiner: E. Wong

For OPTICAL WAVELENGTH MULTIPLEXING TECHNIQUE

Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

SUPPLEMENTAL RESPONSE

Sir:

An amendment filed under 37 C.F.R. 1.116 was filed in the USPTO on July 8, 2004. The undersigned wishes to include the additional remarks herein for consideration by the Examiner.

Remarks begin on page 2 of this letter.

BOX "AF"
RESPONSE UNDER 37 C.F.R. § 1.116
---EXPEDITE PROCEDURE---
EXAMINING GROUP _____

REMARKS

In the amendment filed July 8, 2004, it was noted on page 17, at lines 17-21 that the "blue" wavelength band can be shorter (e.g., 1.3 μm - see column 3, line 52 of Cao) than the pump laser wavelength (e.g., 1480 nm-noted at column 2, line 39). However, it should be understood that Cao's system cannot amplify signal light of any wavelength. In particular, EDFA cannot amplify 1.3 μm wavelength light. Thus, it should be understood that amplification wavelength is restricted in Cao's system. Accordingly, light signals widely separated by 100 nm or more cannot properly be considered as suggested from Cao's system.

For the reasons set forth in the amendment of July 8, 2004, in light of the above, the claims should be in condition for allowance. Reconsideration and allowance of claims 1-26 at an early date is requested.

Respectfully submitted,



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